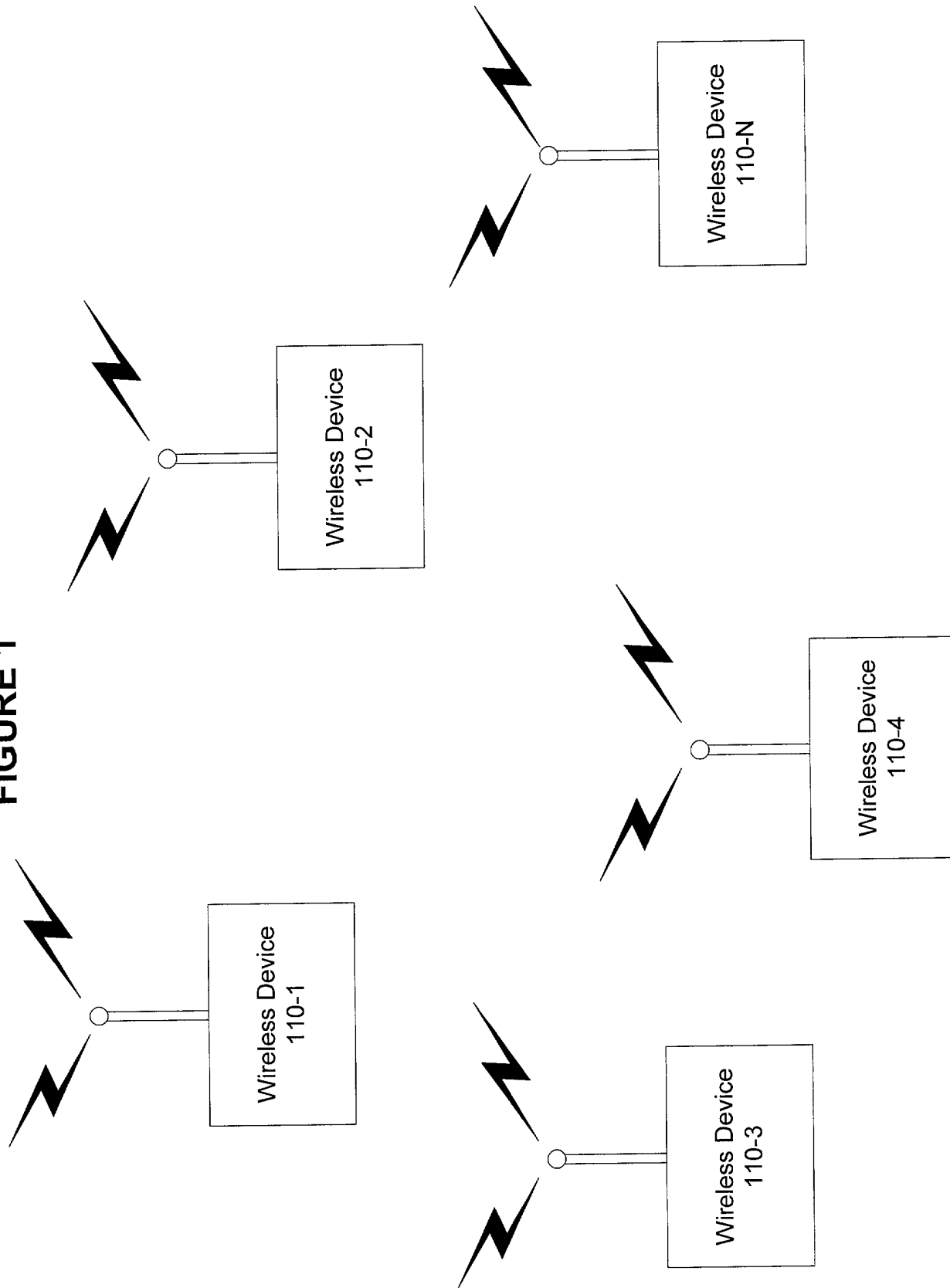


FIGURE 1



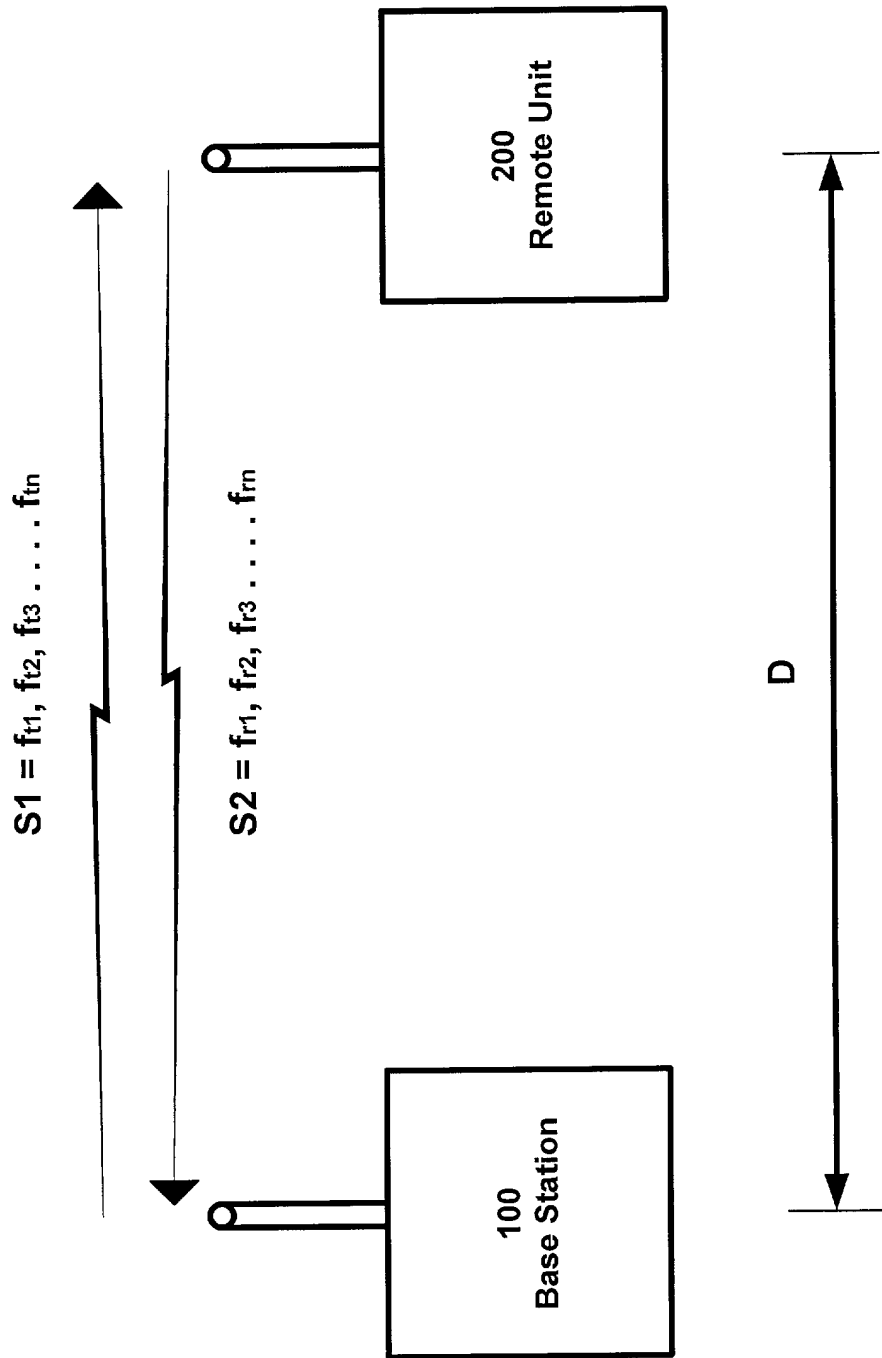


Fig. 2

100

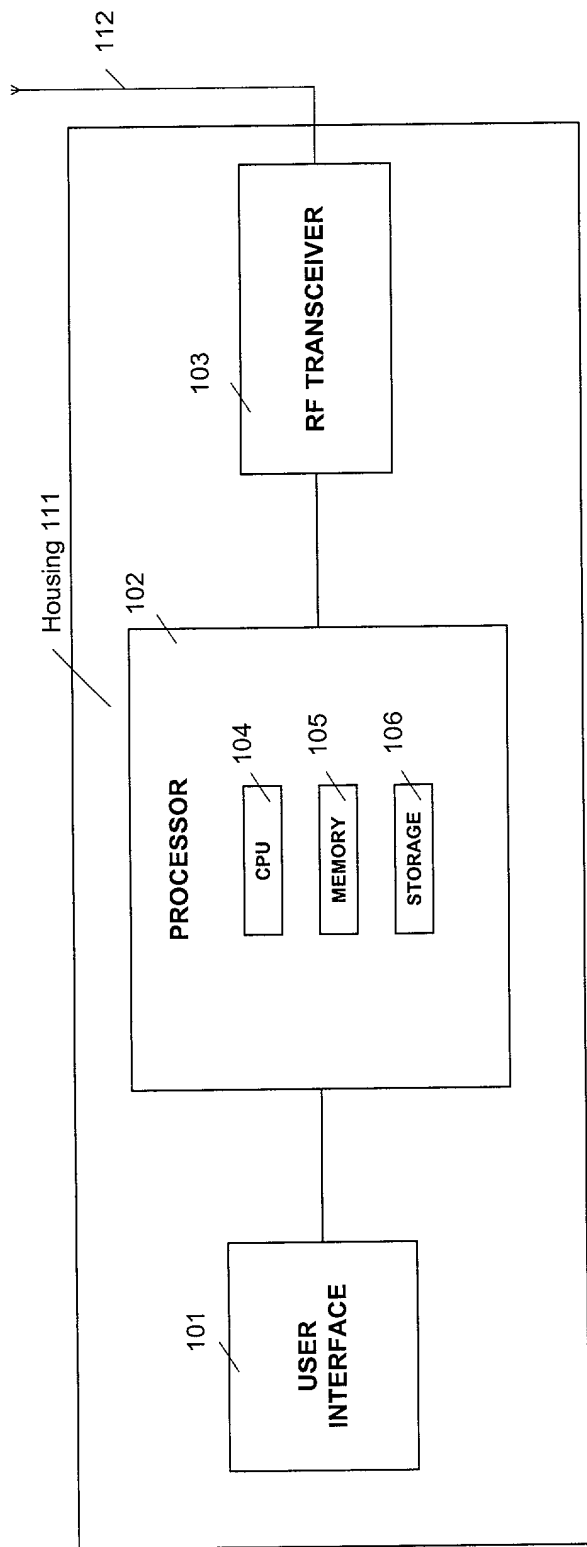


FIG. 3A

100

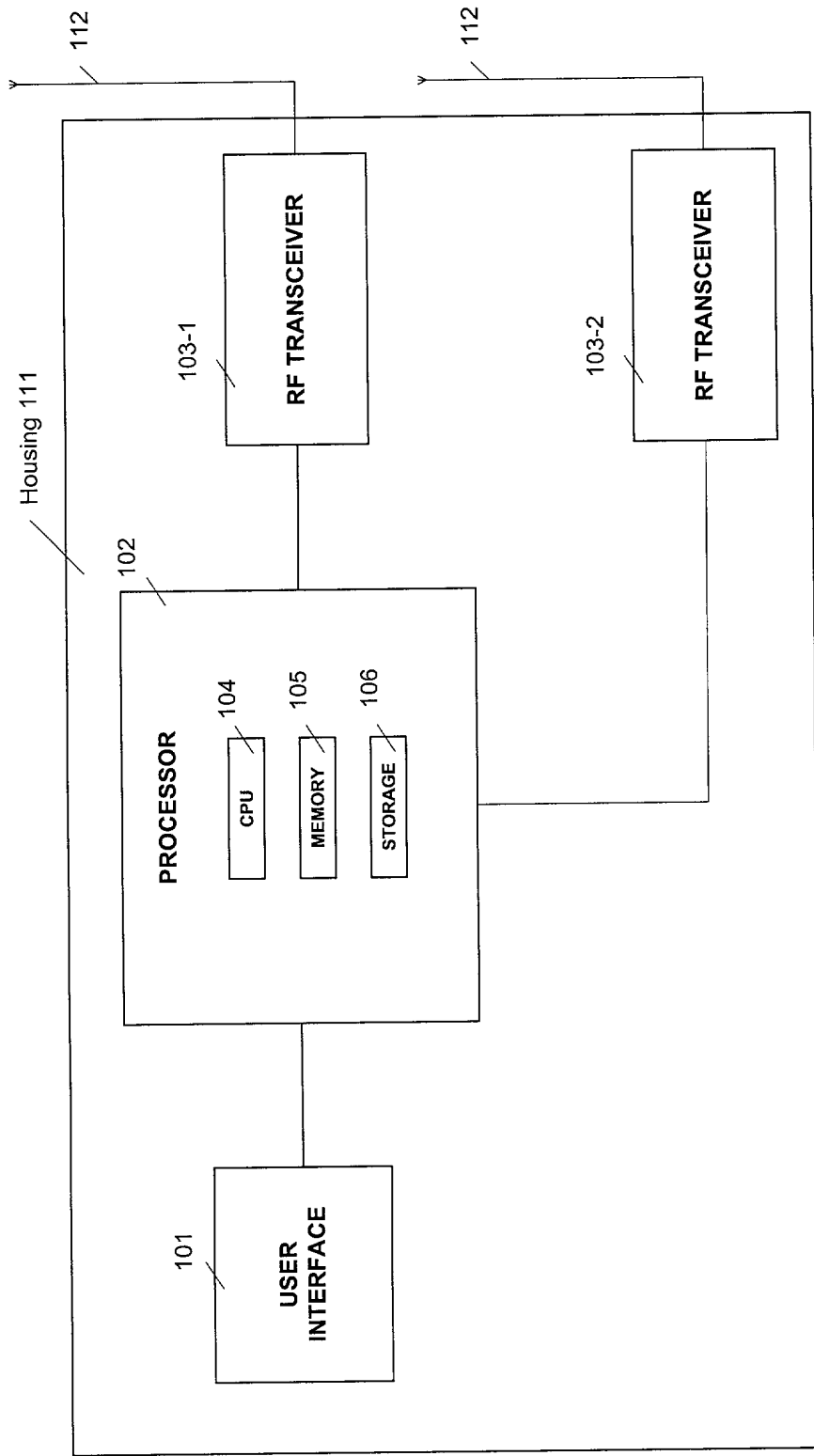


FIG. 3B

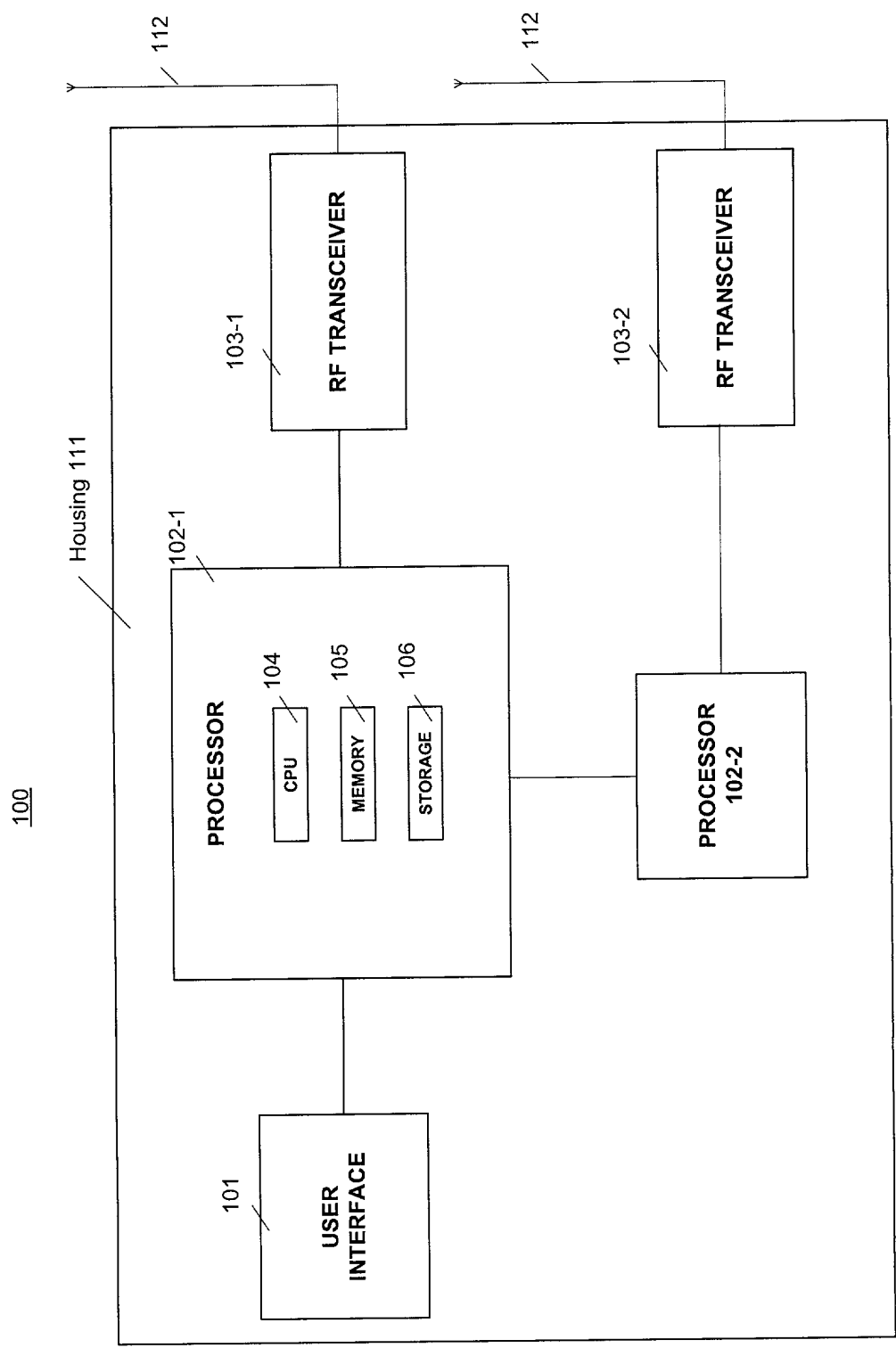


FIG. 3C

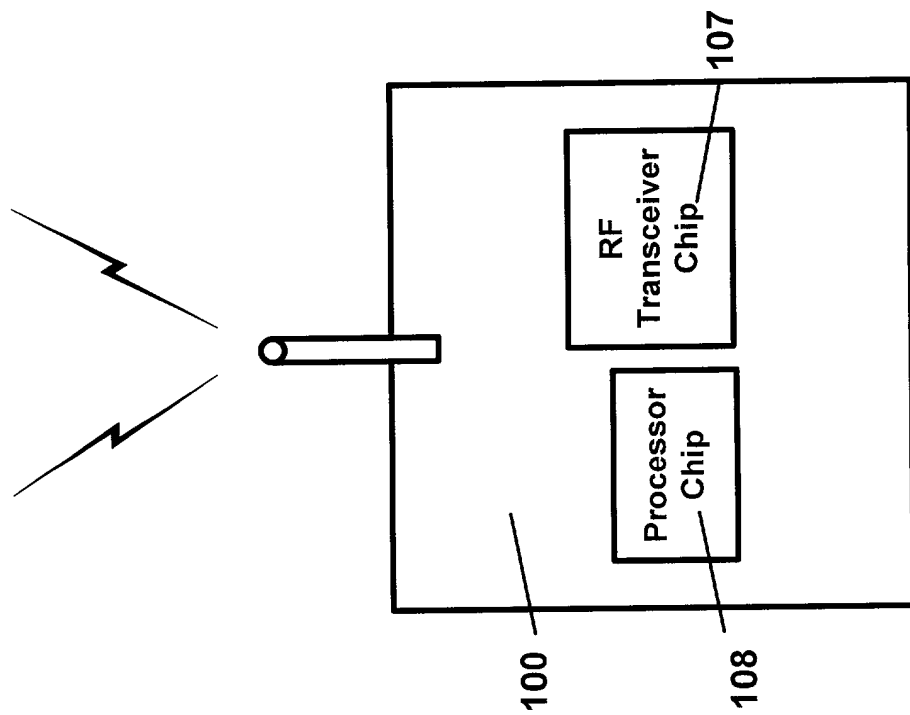


Fig. 4A

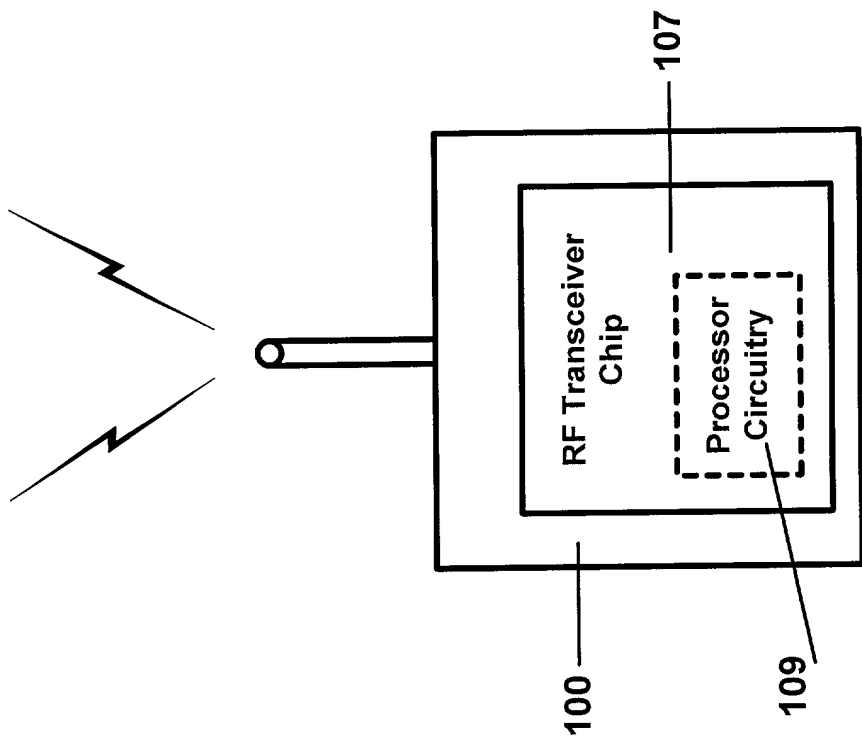


Fig. 4B

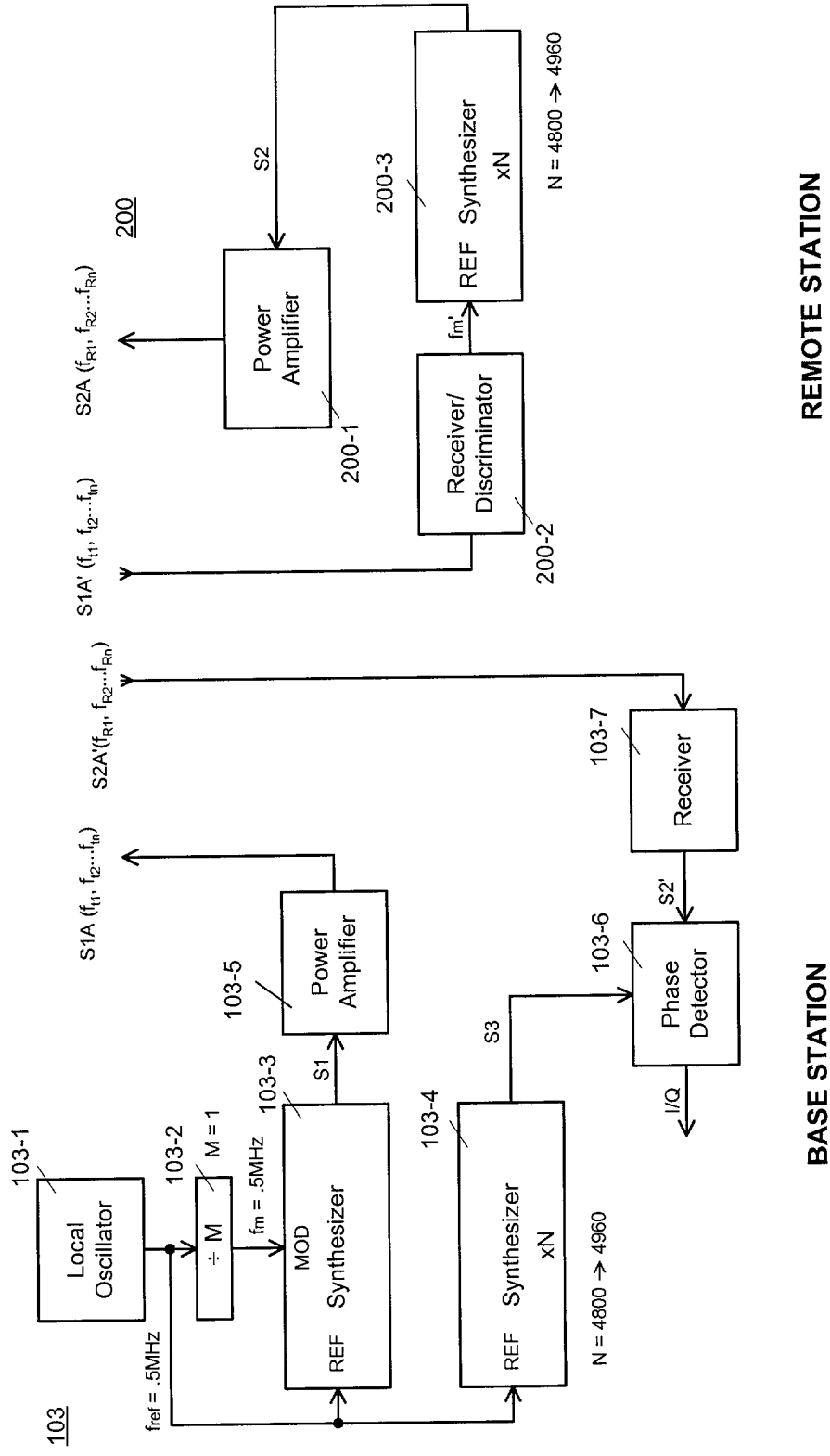


FIG. 5

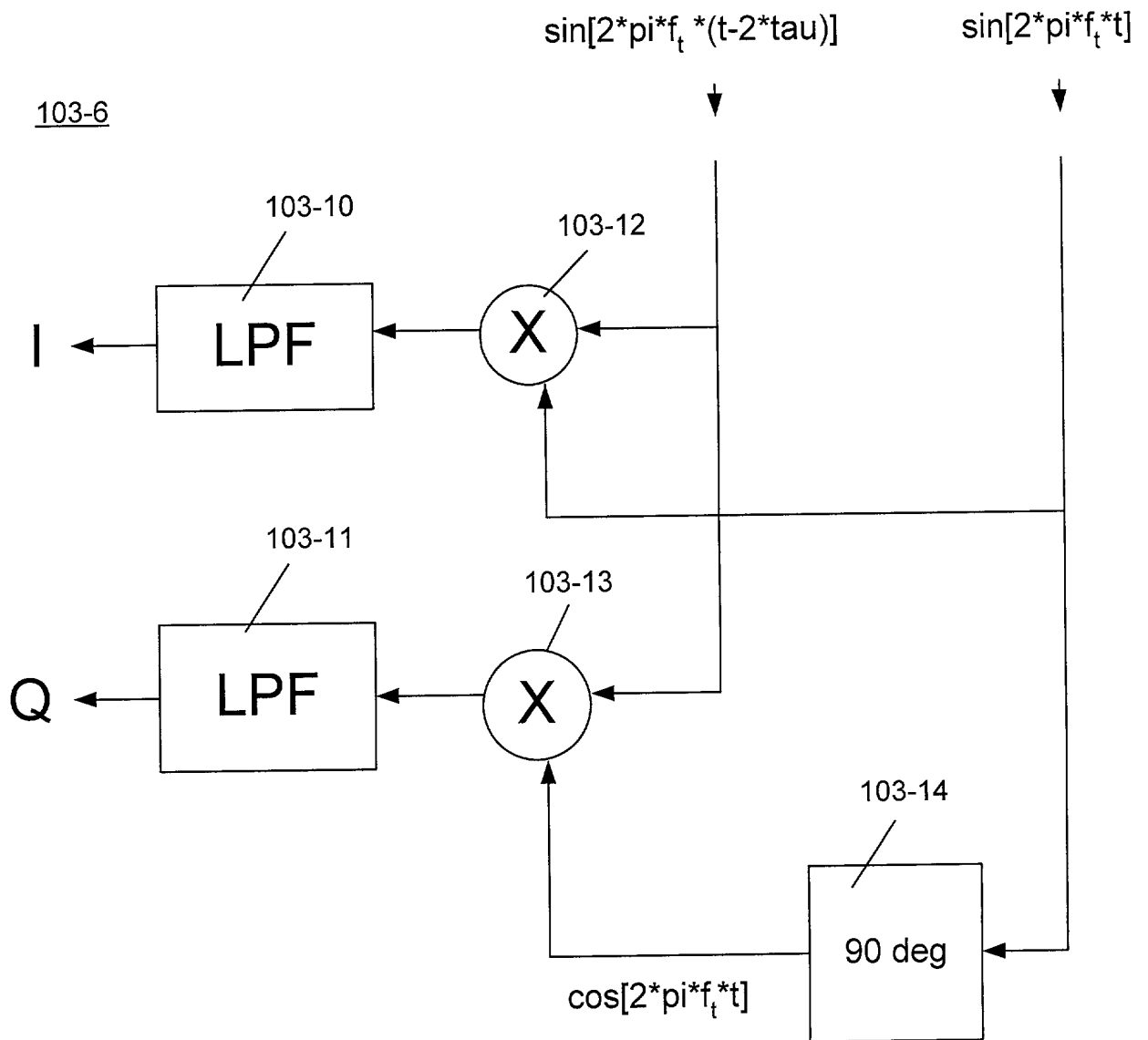
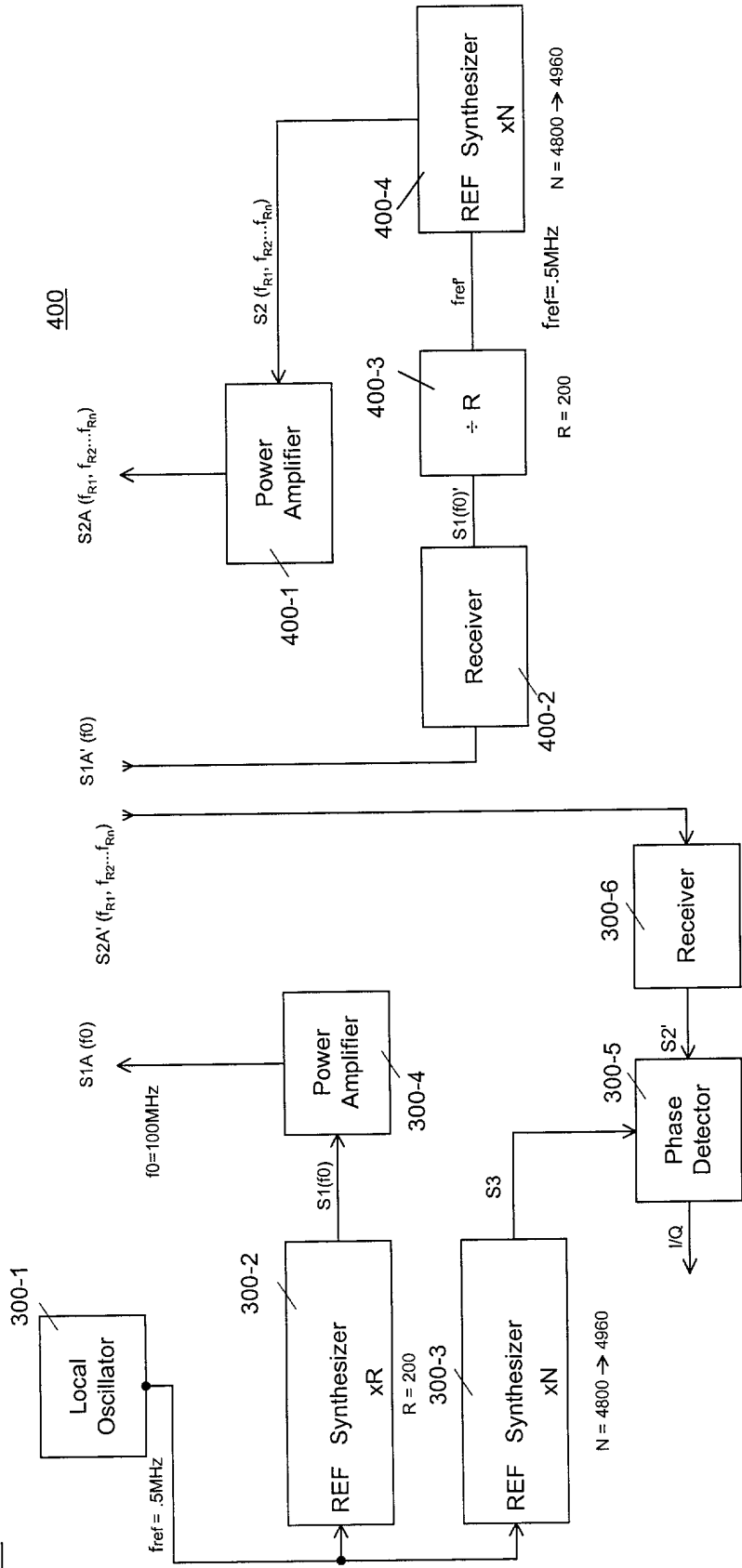


Fig. 6

300



BASE STATION

REMOTE STATION

FIG. 7

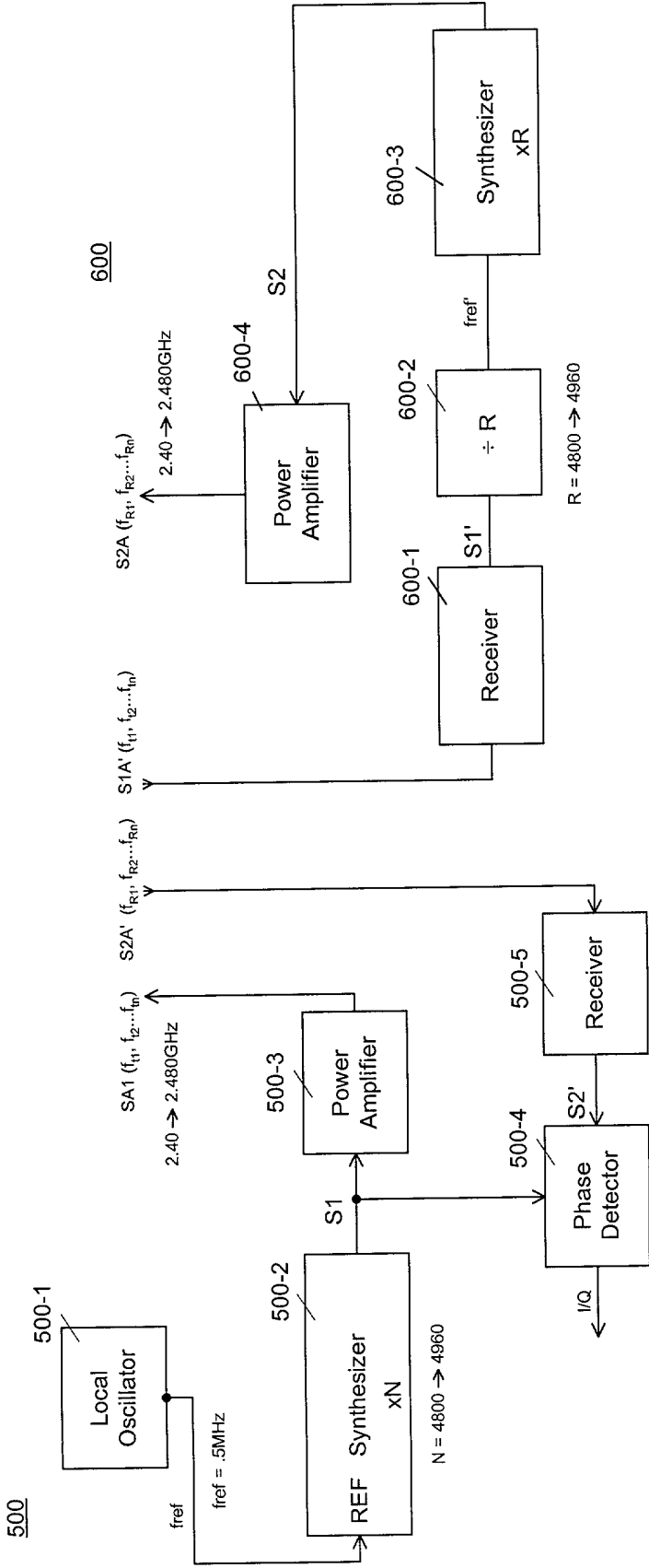


FIG. 8

BASE STATION

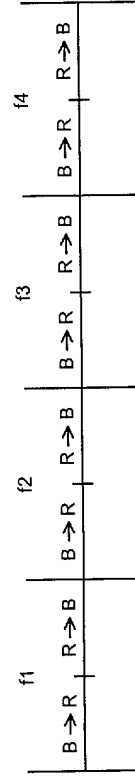


FIG. 9

Figure 10A

Amplitude vs. Frequency
Direct path = 20ns, echo = 80ns.

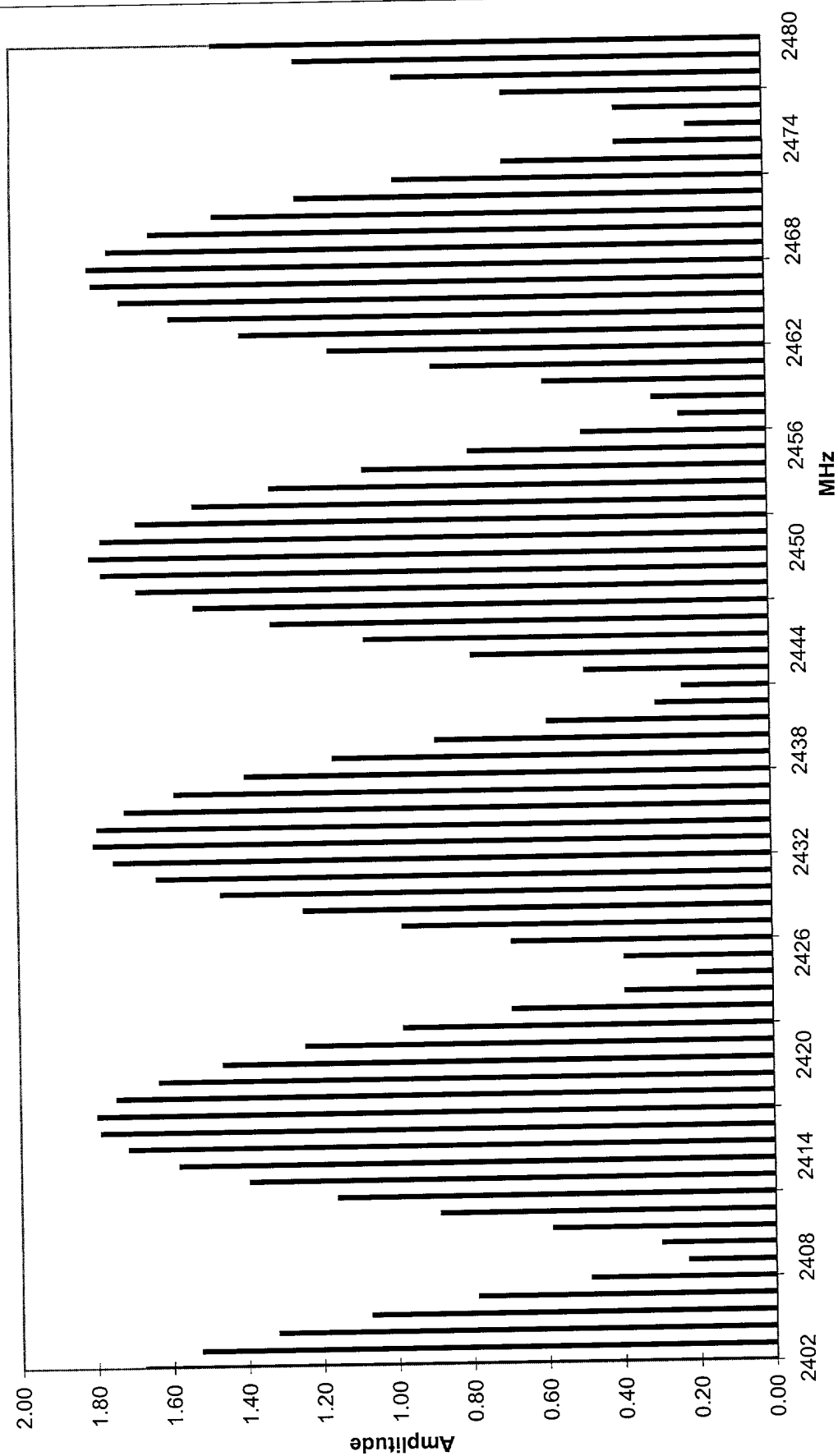
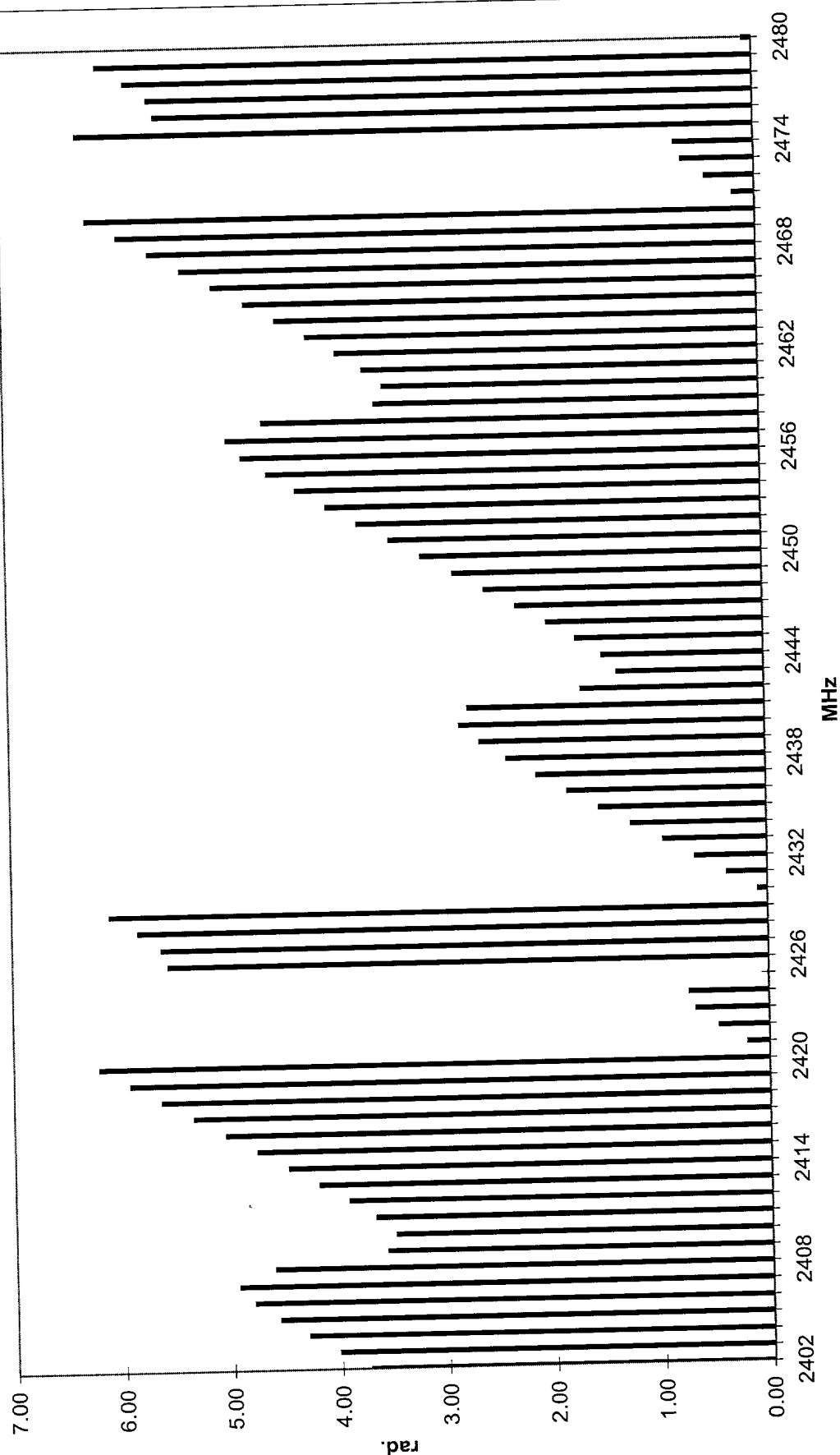


Figure 10B

Phase shift vs. Frequency

Direct path = 20ns, echo = 80ns.



IFFT Result
Direct Path = 20ns, echo = 80ns.

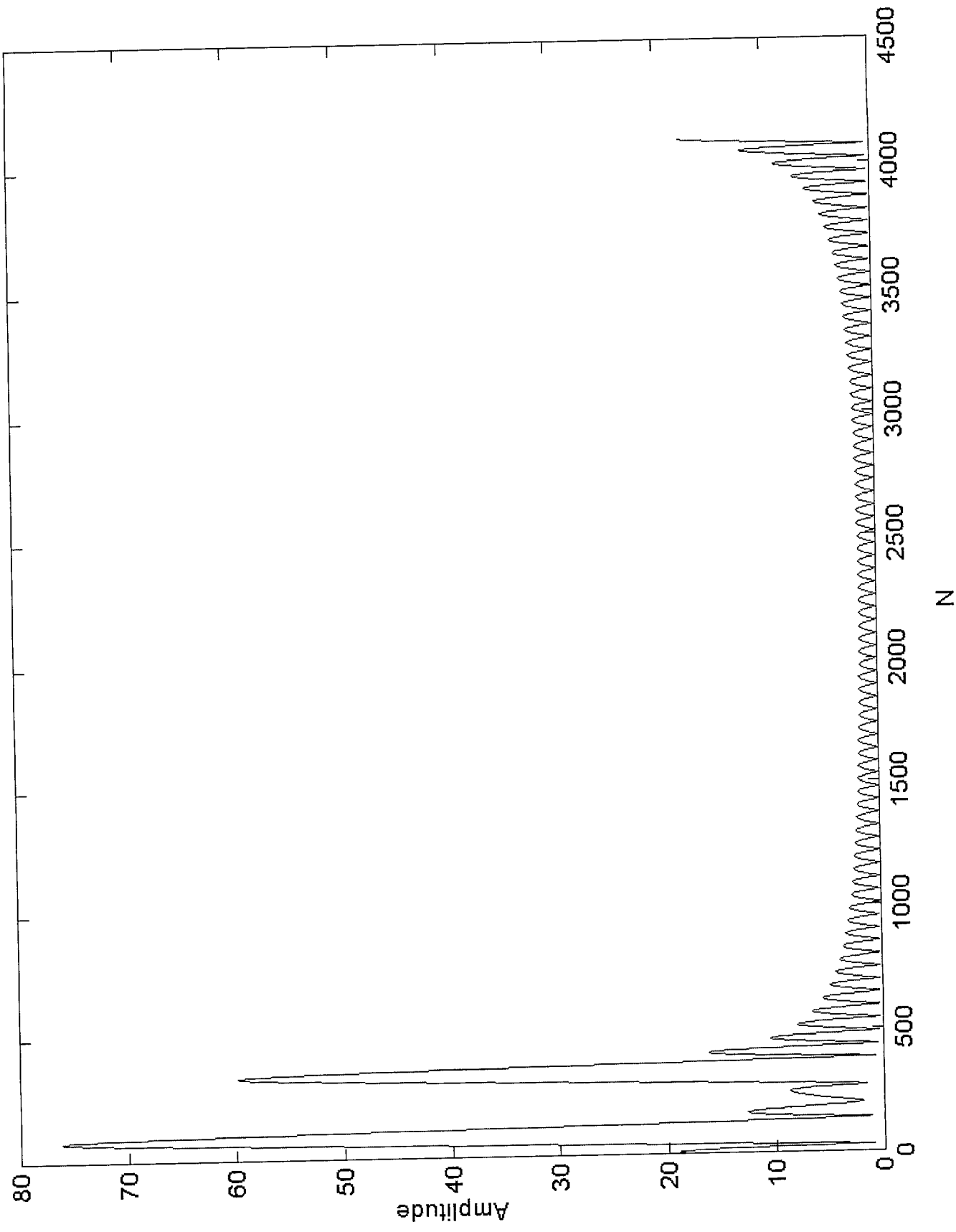


FIGURE 10C

For a Screened Time Domain

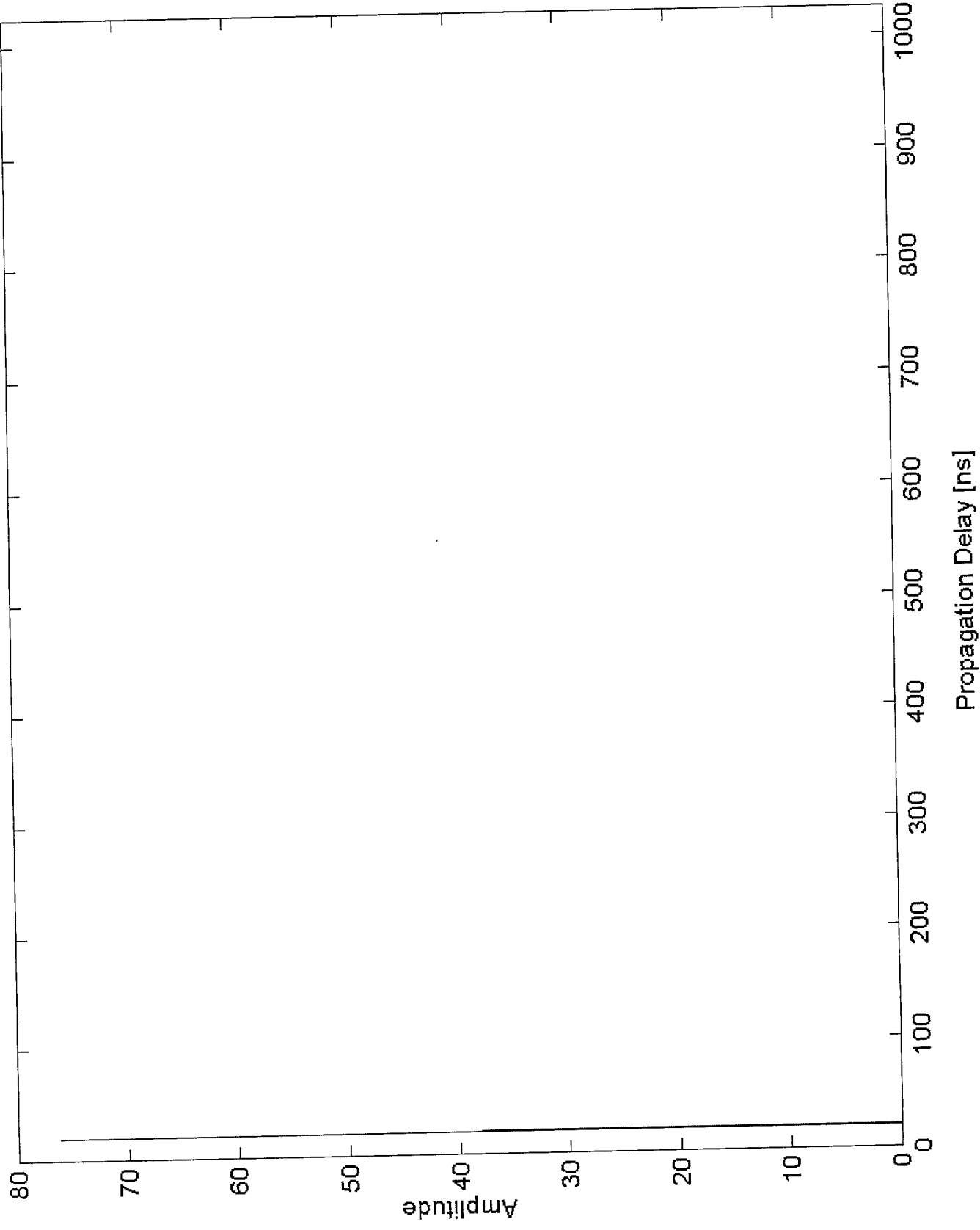


FIGURE 10D

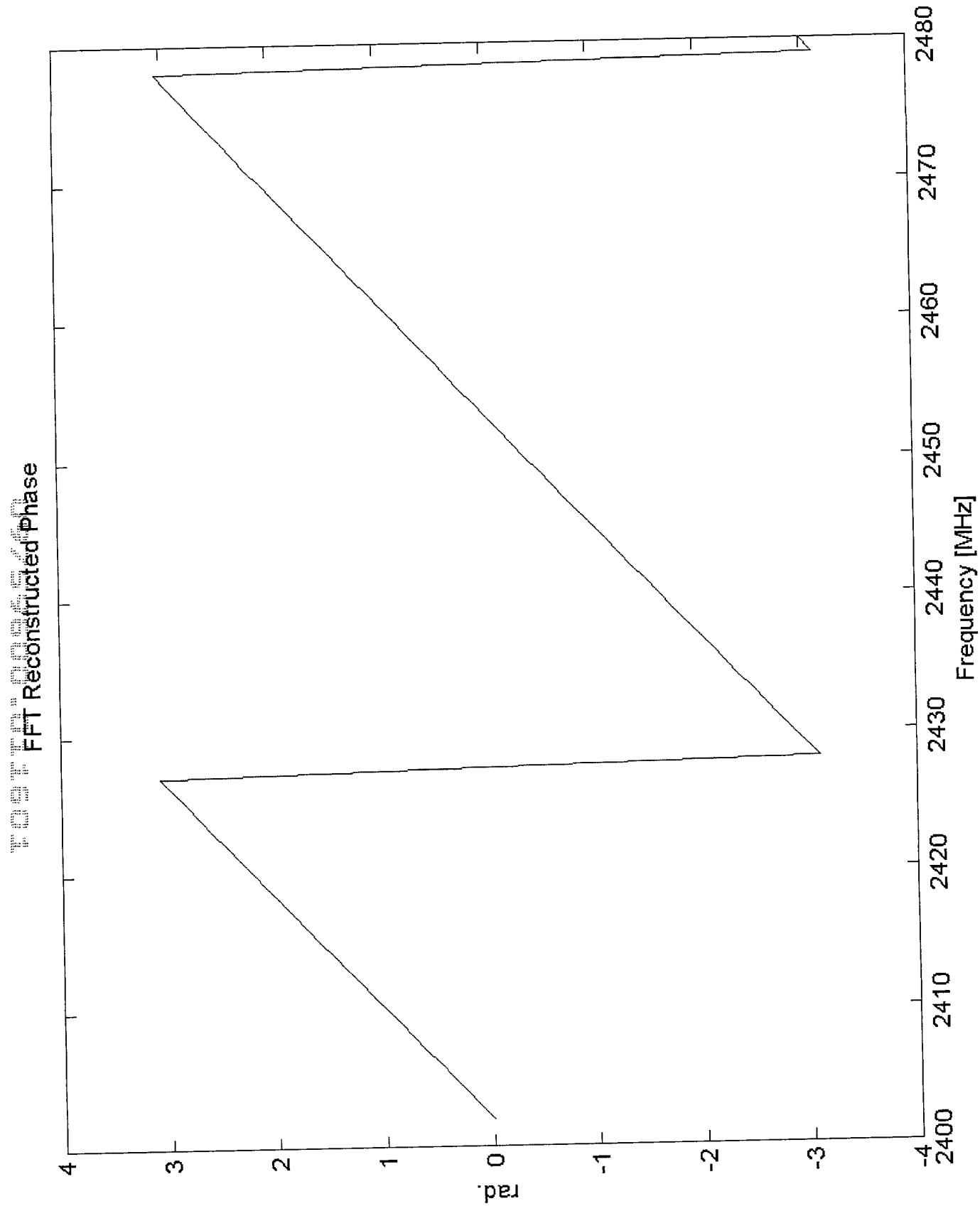


FIGURE 10E

Figure 11A
Amplitude vs. Frequency
Direct path = 20ns, echos = 80ns, 120ns.

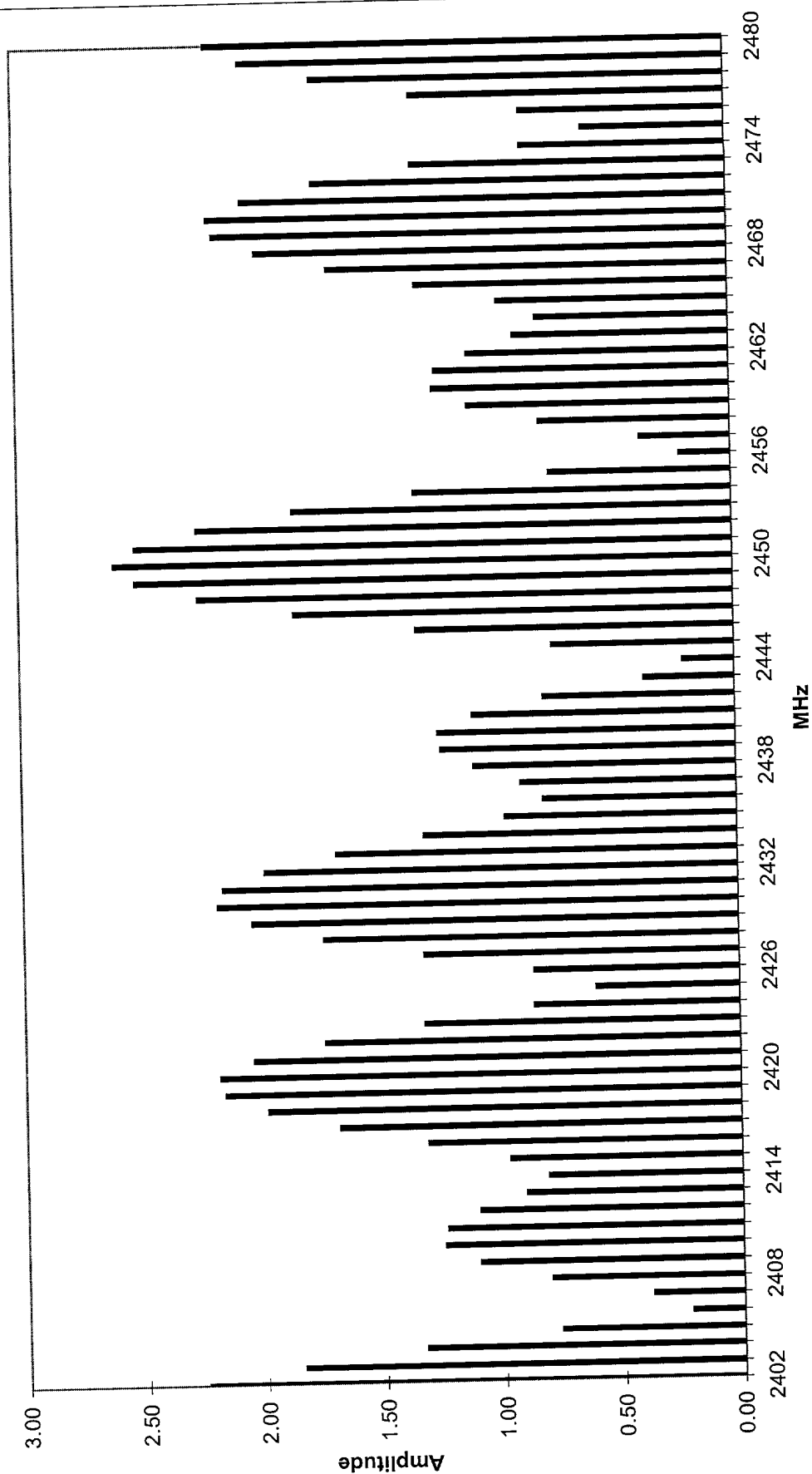
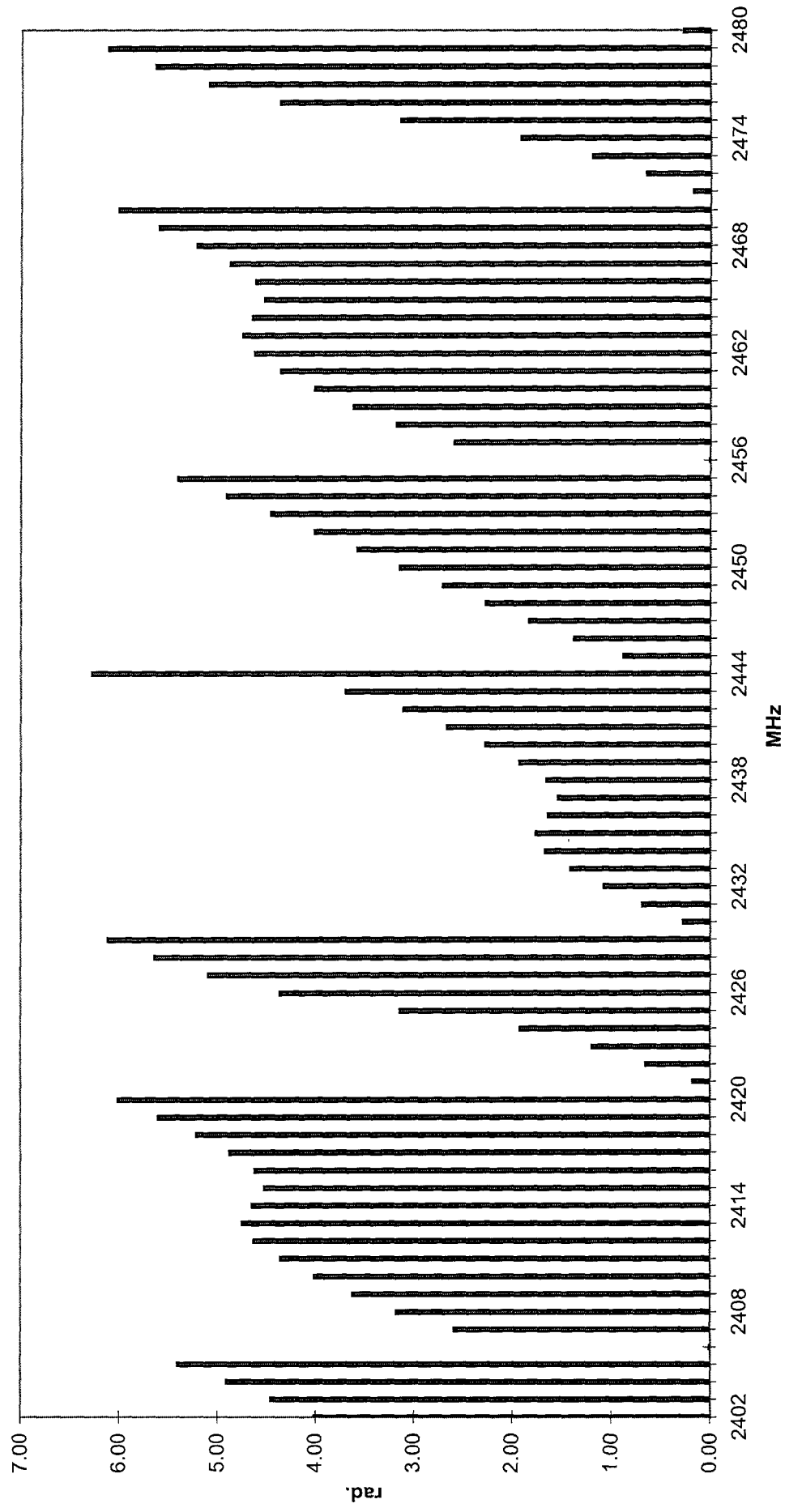


Figure 11B

Phase shift vs. Frequency
path = 20ns, echos = 80ns, 120ns.

Direct



IFFT Result
Direct Path = 20ns, echos=80ns, 120ns.

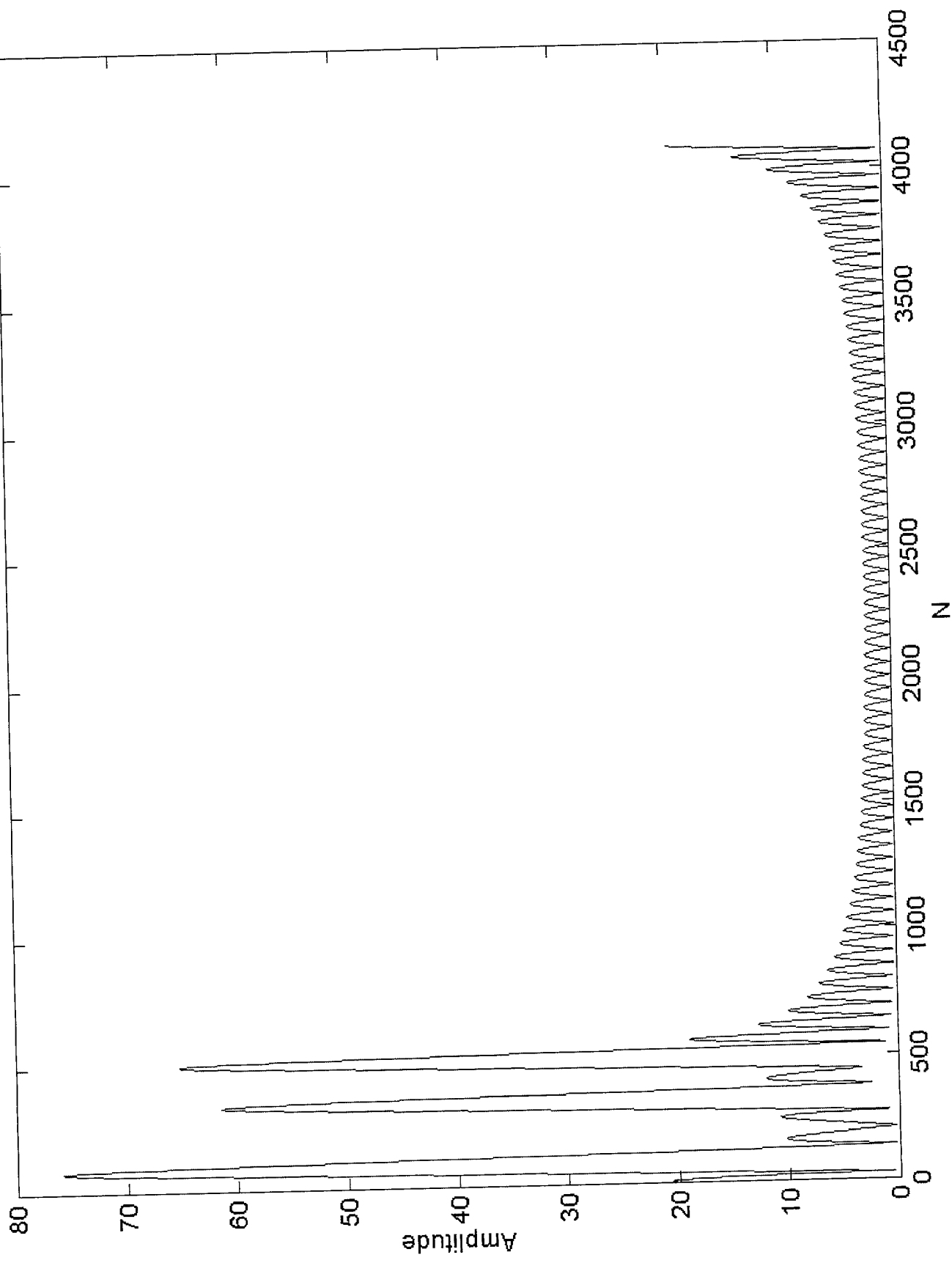


FIGURE 11C

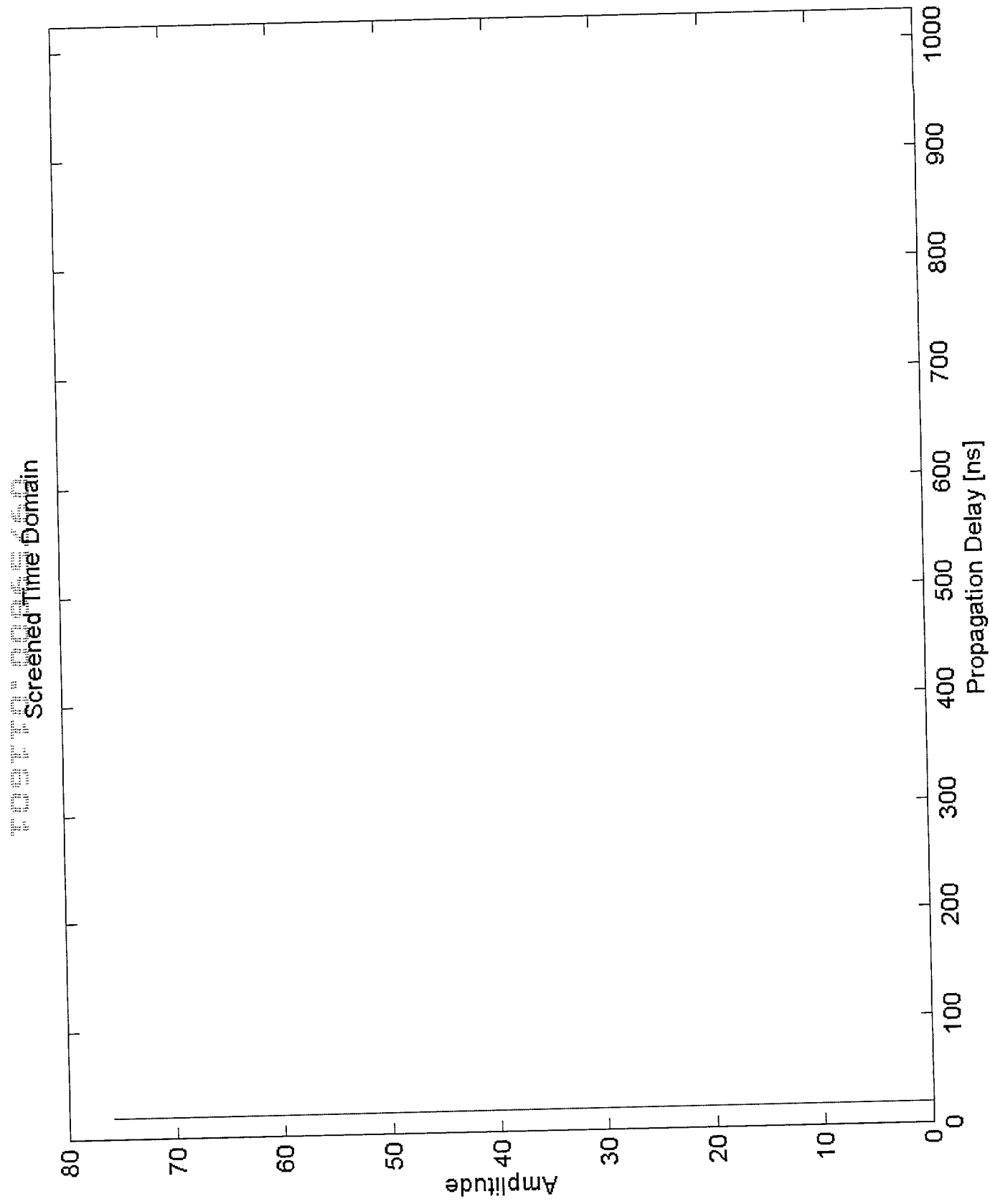


FIGURE 11D

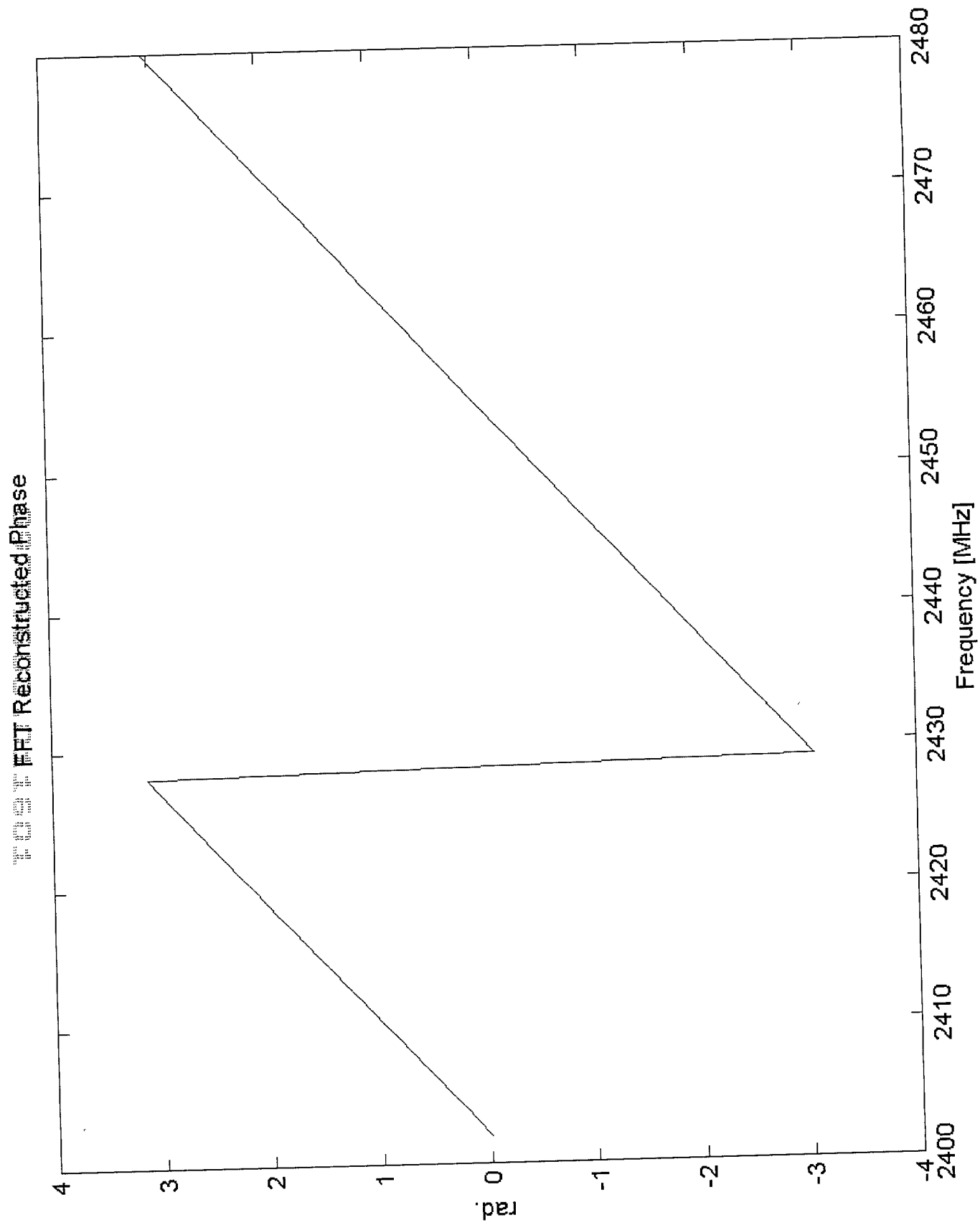


FIGURE 11E

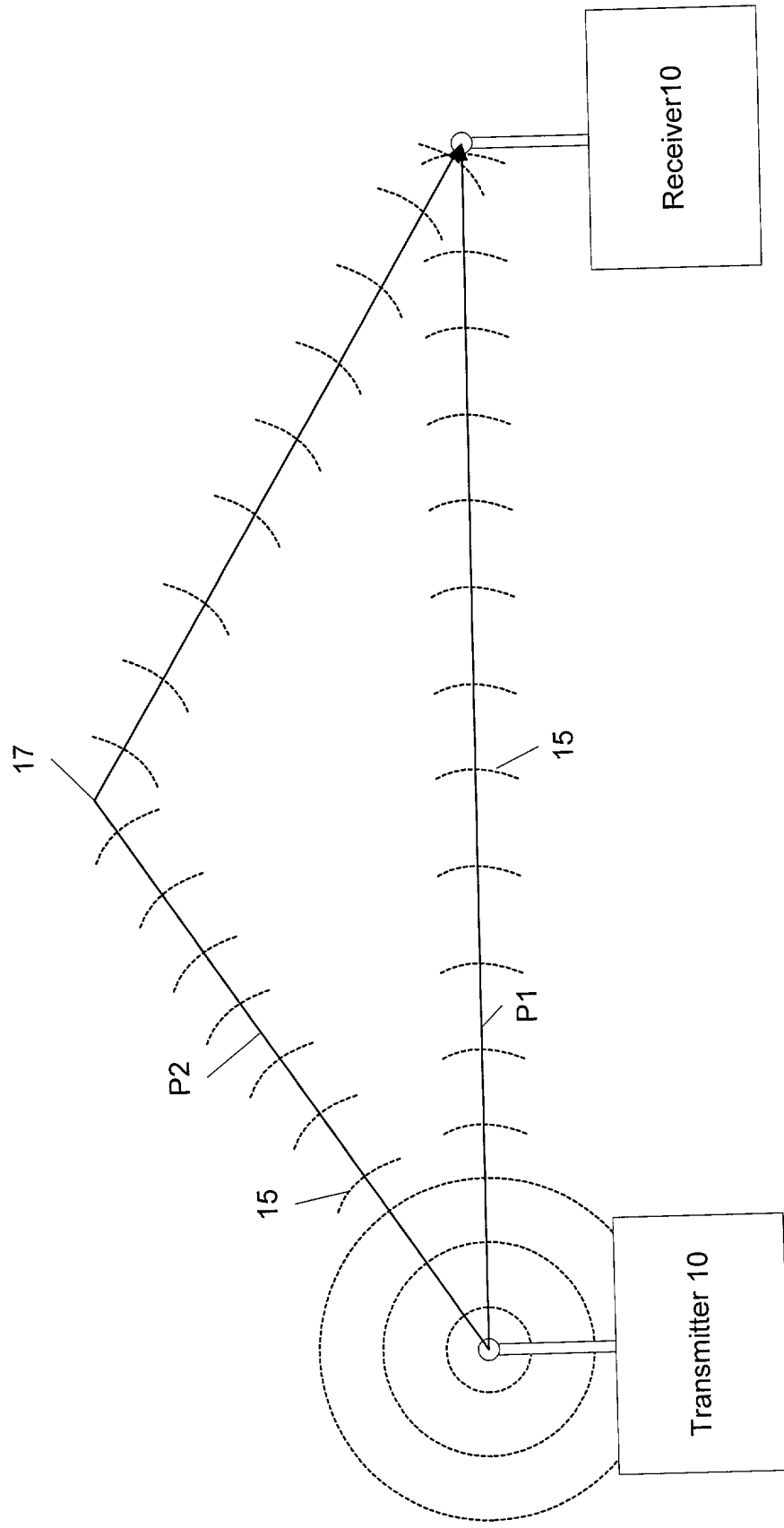


FIGURE 12